International application No.
PCT/AU2004/000474

			PC1/AU2004	1/000474
A.	CLASSIFICATION OF SUBJECT MATTER			
Int. Cl. 7:	C07K 7/06, 7/08, 14/595; A61K 33/24; A61F	1/00, 35/00		•
According to 1	International Patent Classification (IPC) or to both	national classification and IPC		
В.	FIELDS SEARCHED			
See electroni	mentation searched (classification system followed by clic databases consulted below			
see election	searched other than minimum documentation to the extended databases consulted below			hed
Electronic data Registry, CA	base consulted during the international search (name of A., Medline, Wpids. Sequence search and keyv	data base and, where practicable, sea vord search ('?gastrin', 'iron?',	arch terms used) 'ferric')	
1	DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	•		Relevant to claim No.
X	Chemical Abstracts, Accession No. 82:1255 LVIII. Suppression of deletion sequences be syntheses of leucine 5 - gastrin I sequence 5 Liebigs Annalen der Chemie, 1975, No. 12, See abstract	y 3-nitrophthalic anhydride. I -12 and ACTH fragment 11-1	Merrifield	·
	(J. PANNEQUIN et al.). "Ferric Ions are ess Hormone Glycine-extended Gastrin". Journ No. 50, pages 48602-48609	ential for the Biological Activ al of Biological Chemistry, 20	vity of the 002, vol. 277,	24-28, 32
x	See whole document, in particular Figure 1.  US 4117117 (WUNSCH) 26 September 197 See abstract, claims	8		1-5, 8, 9, 13, 18-29, 32, 34- 39 24-28, 32
X Fu	orther documents are listed in the continuation	of Box C X See pat	ent family anne	
"A" Document not consid	plication or patent but published on or after the "X" do	ter document published after the international field with the application but cited to underlying the invention scument of particular relevance; the claim cannot be applied and the international field and the international fie	derstand the principl	e or theory
"L" Document or which i another ci	t which may throw doubts on priority claim(s) "Y" do is cited to establish the publication date of intation or other special reason (as specified) su t referring to an oral disclosure, use, exhibition	cannot be considered to involve an inve- one cument of particular relevance; the claim volve an inventive step when the docume ch documents, such combination being o cument member of the same patent famil	ned invention cannot ent is combined with bvious to a person sk	be considered to
"P" Document	t published prior to the international filing date than the priority date claimed	outline inclined of the same patent family	ıy	
Date of the actua 3 June 2004	l completion of the international search	Date of mailing of the international	al search report	2004
	g address of the ISA/AU	Authorized officer		
PO BOX 200, W	PATENT OFFICE ODEN ACT 2606, AUSTRALIA oct@ipaustralia.gov.au 02) 6285 3929	SWARUP CHATTERJEE Telephone No: (02) 6283 2259		

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C (Continuation	on). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
	(N. KNEIB-CORDONIER et al.) "Orthogonal solid-phase synthesis of hur under mild conditions". International Journal of Peptide and Protein Reservol. 35, No. 6, pages 527-538	nan gastrin-I arch (1990),	
Х	See Scheme 1		24-28, 32
x	(R. A. GREGORY et al.) "Minigastrin: Corrected Structure and Synthesis Seyler's Z. Physiol. Chem. (1979), Vol. 360 No. 1, pages 73-80	". Hoppe-	
X	See abstract.	•	24-28, 32
X	(J. M. BOWER et al) "Trypsinogen Activation Peptide and Related Peptide Inhibitors of Gastric Secretion". Biochemical and Biophysical Research Communications (1974) Vol. 60, No. 2, pages 820-824	es as	
A	See whole document, in particular page 823, Table, compound 10.		24-28, 32, 33, 39
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Bo	x No.	1	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With clair	n regai ned in	rd to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the vention, the international search was carried out on the basis of:
	a.	type o	of material
		X	a sequence listing
			table(s) related to the sequence listing
	b.	forma	at of material
		X	in written format
			in computer readable form
	c.	time o	of filing/furnishing
		X	contained in the international application as filed
			filed together with the international application in computer readable form
			furnished subsequently to this Authority for the purposes of search
2.		filed	ddition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been or furnished, the required statements that the information in the subsequent or additional copies is identical to that in application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Addi	ional	comments:
			•
			·

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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international reasons:	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following
.l	Claims Nos.:
•	because they relate to subject matter not required to be searched by this Authority, namely:
	•
2. X	Claims Nos.: 24 (in part) and 27-39 (in part)
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
ı	The claims define a non-amidated gastrin only by the presence of one amino acid (at least glutamate residue
	7). This definition is not concise enough to allow a search over the entire breadth of the claims. The embodiments of the claim that have been searched are the 9 peptides defined in claim 26.
, $\Box$	
3.	Claims Nos.:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Interna	tional Searching Authority found multiple inventions in this international application, as follows:
	·
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
	·
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
	·
Remark on	Protest
	No protest accompanied the payment of additional search fees.

Information on patent family members

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

	t Document Cited in . Search Report			Pate	nt Family Member		
US	4117117	CH	636343	DE	2628006	FR	2355805
		JР	53018563				